

Applications

- SHG Applications
- Medical Systems
- Industrial Lasers
- Fiber Optic Sensing
- Laboratory



Description

Amonics offers Pulse Laser at 1064nm with high pulse peak power. The laser features tunable pulse width from 10ns to 1us and no short pulse driving source is required. It is ideal for applications demanding laser emission with high pulse peak power.

The turnkey microprocessor controlled Pulse Laser comes in both benchtop and rackmount casings. It is equipped with alarms and status indicators. An integrated RS232 computer interface provides easy control, diagnostic functions and data acquisition. Available options include single frequency operation and linearly polarized operation.

Key Features

- Turnkey device
- RS232 computer interface
- High output power
- Single mode fiber delivery
- Highly reliable and durable

Specifications

	APLS-1
Pulse Peak Power	Min. 700mW, Typ. 1W
Center Wavelength	1064nm
Pulse Width	5 ns to 100 us (duty cycle < 2%, repetition rate < 500kHz)
On/Off Extinction ratio	> 25dB
Trigger voltage	TTL (standard)

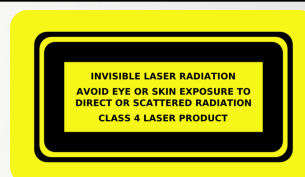
* Other output power models are available upon request

General Parameters

Parameters	Unit	Specifications
Operation Temperature	°C	0 to +40
Storage Temperature	°C	-10 to +70
Power Supply	VAC	90 – 240, 47 – 63Hz
Dimensions	mm	Benchtop: 260(W) x 330(D) x 120(H) 1U Rackmount: 485(W) x 360(D) x 45(H) Other standard rackmount sizes are also available
Mechanical Safety Control	-	Key-lock switch, BNC interlock key
Optical Power Monitoring	-	Output power
Remote Control Port	-	DB-9 female (RS232), LabView control software included RJ-45 (TCP/IP Ethernet) (optional)
RF Port		SMA or BNC
Protection	-	Pump laser (TEC) overheat
Optical Connector	-	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	-	H1 1060 / PM 980

Other Option

- Linear polarized



Ordering Information

Product Code	APLS- www-xx-y-zz	www : Wavelength in nm xx : Output power in W y : B for Benchtop, R for 19" Rackmount zz : FA for FC/APC, FC for FC/UPC SA for SC/APC, SC for SC/UPC
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Amonics undertakes continuous and intensive product development to ensure its product performance at the highest technical standards. As a result, the specifications in this document are subject to change without notice.

Amonics Limited, 14/F, Lee King Industrial Building, 12 Ng Fong Street, San Po Kong, Kowloon, Hong Kong
Beijing Amonics Co. Ltd. Room 902, Unit 1, No.99 Chaoyang North Road, Beijing China 100025

Email: contact@amonics.com Website: www.amonics.com

HK Tel: +852 2428 9723

HK Fax: +852 2428 9704

Beijing Tel: +86 10 84783386

Beijing Fax: +86 10 84783396